

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2018
(Fifth Semester)

Branch - **MICROBIOLOGY**

IMMUNOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Mast Cells.
- 2 Acquired Immunity.
- 3 Adjuvant.
- 4 Complement.
- 5 Vaccine.
- 6 Interferons.
- 7 Haemagglutination.
- 8 CRP.
- 9 Xenograft.
- 10 Mantoux test.

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Brief on the cells of immune system.
OR
b Add a note on structure and function of spleen.
- 12 a List out the properties of Antigens.
OR
b Describe the types of Immunoglobulin.
- 13 a Write an account on Immuno electrophoresis.
OR
b Define Agglutination and brief about Passive Agglutination.
- 14 a Differentiate Humoral and Cell mediated Immunity.
OR
b Add a note on role of interleukins in Immunity.
- 15 a Explain the mechanism of Auto Immunity.
OR
b Write about type II Hypersensitivity.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Explain in detail about the mechanism of immune response.
- 17 Define Complement. Write in detail about the Alternate Complement Pathway.
- 18 Define Monoclonal Antibody and describe the steps involved in its production.
- 19 Explain in detail the principle and procedure of ELISA Test.